

What is claimed is

1. A supporting mechanism for an optical disc driving device, comprising:

a box;

5 a main frame provided in the box;

first elastic members elastically connecting the main frame to the box;

an optical disc driving device mounted on the main frame, the optical disc driving device including a spindle motor and a turntable securely mounted on a rotating shaft of the spindle motor;

a sub-frame; and

second elastic members elastically connecting the sub-frame to the main frame.

15 2. The mechanism according to claim 1 wherein the mass of the sub-frame is  $1/10 - 1/3$  of the mass of the main frame.

3. The mechanism according to claim 1 wherein the sub-frame has a shape of a flat plate.

20 4. The mechanism according to claim 1 wherein the sub-frame is made of metal.

5. The mechanism according to claim 1 wherein the second elastic member is made of either of rubber and plastic.